lectureStudio – Tutorial 6: Streaming

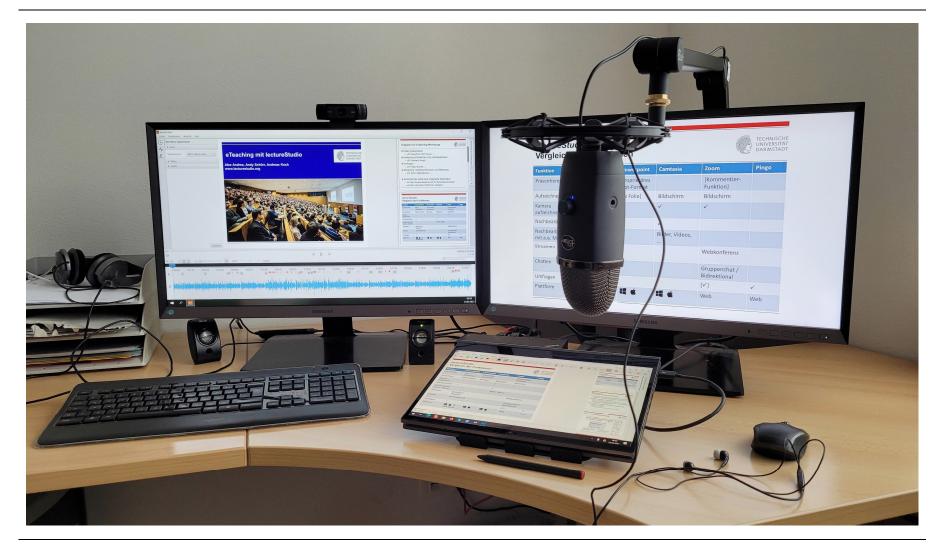
Alex Andres, Andreas Koch, *Andy Schürr* Technical University of Darmstadt https://www.lecturestudio.org





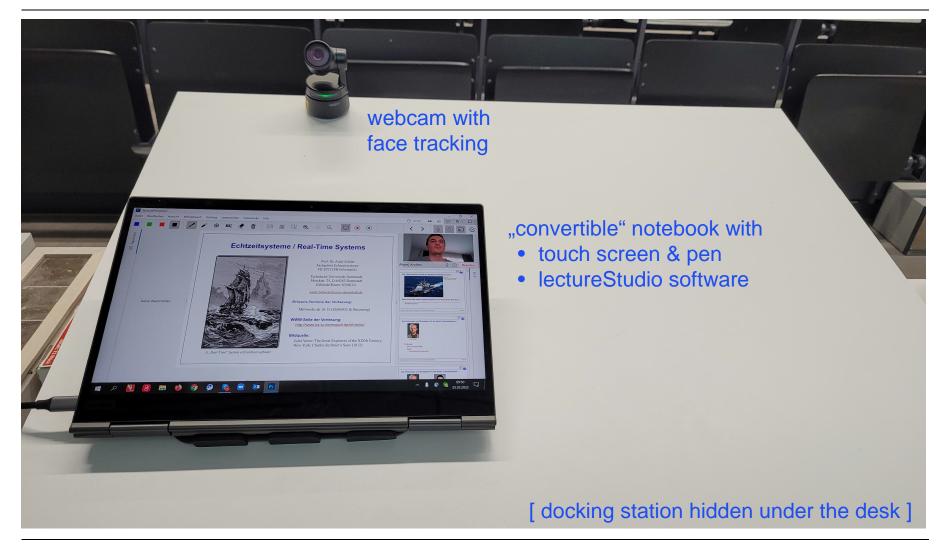
eTeaching Work Place in 2020, 2021, ...





Hybrid Setting (Lecture Hall & Streaming)





Categories of eTeaching Tools



- presentation tools (with integrated whiteboard?)
 - PowerPoint, pdfpc, ...
- presentation recording and postprocessing tools
 - Panopto, Camtasia, Snagit, ...
- streaming / video conference tools
 - BigBlueButton, Zoom, ...
- interactive poll/quiz execution tools
 - Pingo, Moodle, ...
- interactive group chat tools
 - Element, Zoom, ...

...

lecture-Studio

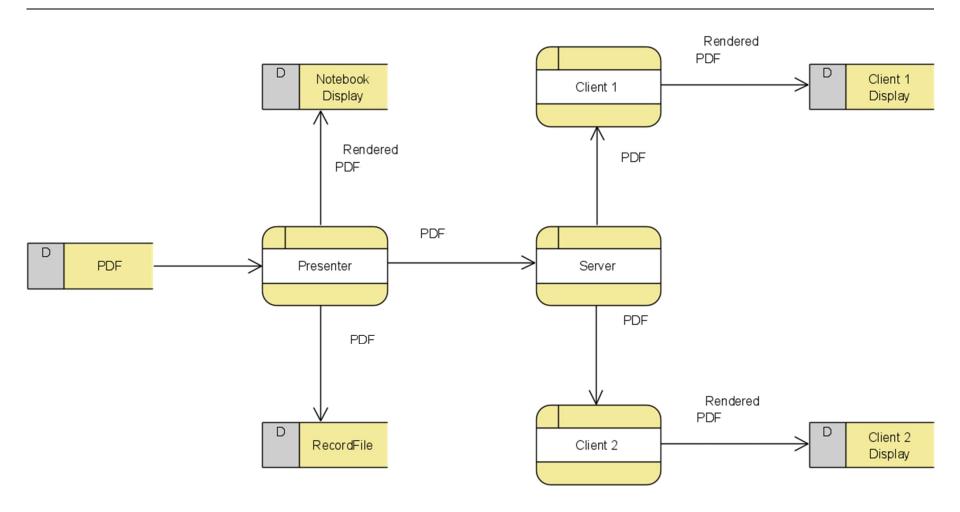
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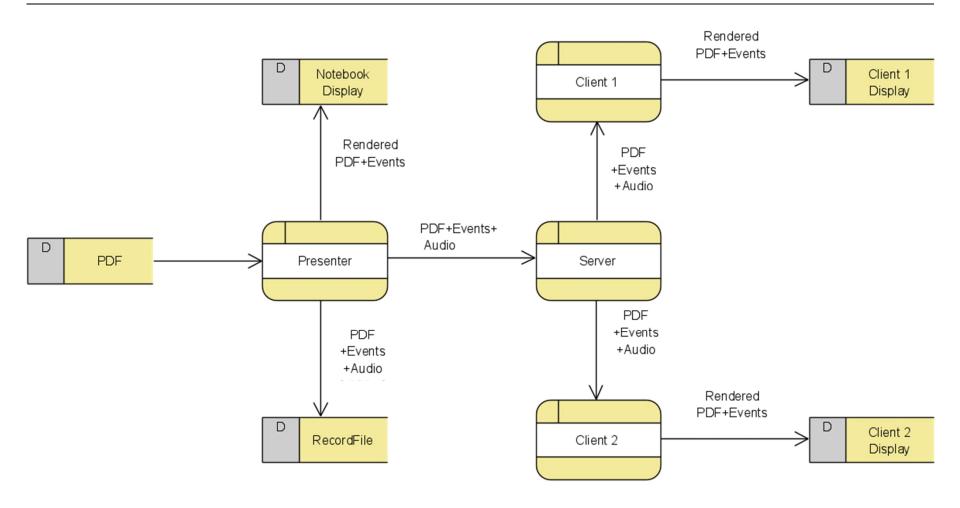
lectureStudio – Streaming Architecture (WebRTC)





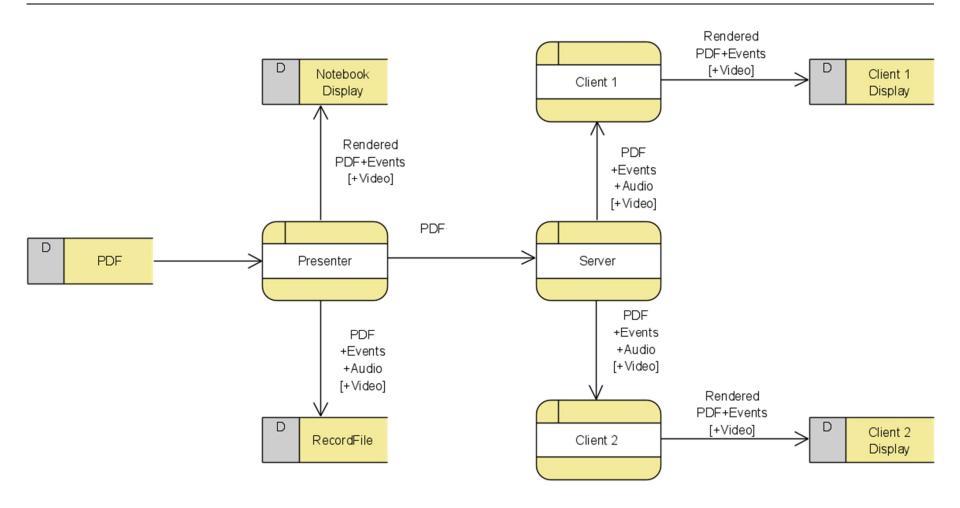
lectureStudio – Streaming Architecture (WebRTC)





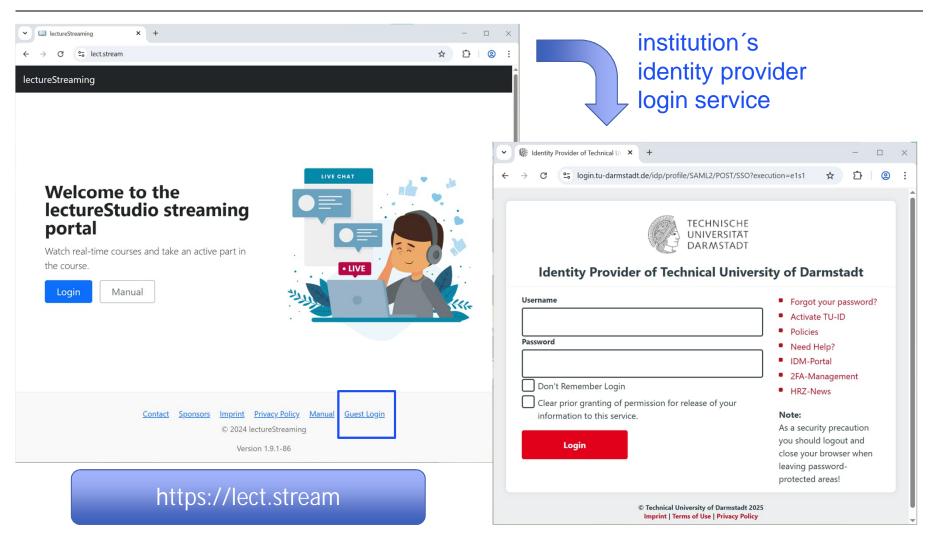
lectureStudio – Streaming Architecture (WebRTC)





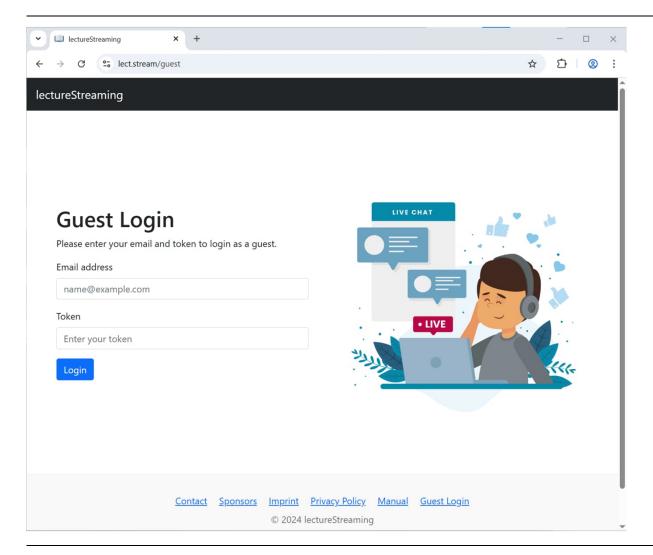
lectureStudio Server – Standard Login





lectureStudio Server – Guest Login





Guest login:

- valid for a specific course only
- created by course owner(s)

Standard student login:

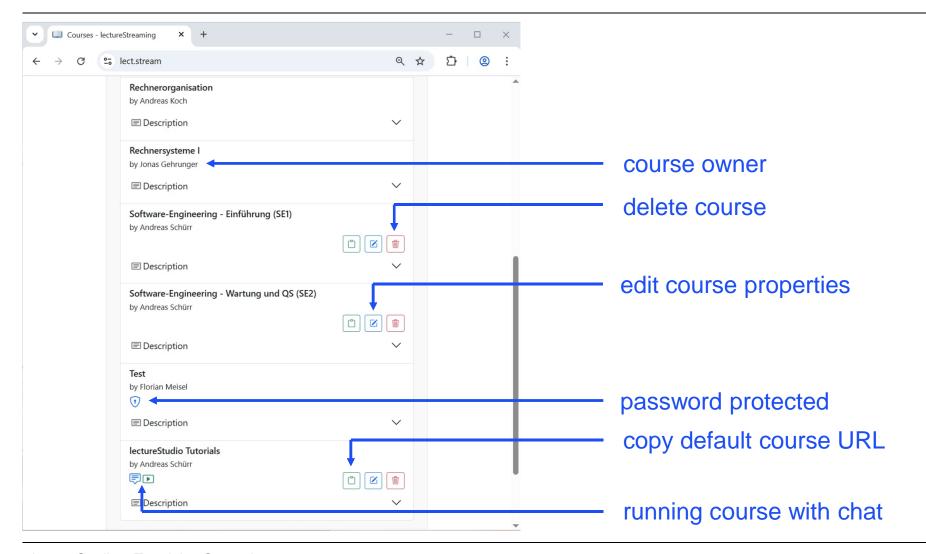
- valid for all courses (if not deactivited in course configuration)
- no course creation right

Standard lecturer login:

- valid for all courses (if not deactivited in course configuration)
- right to create courses

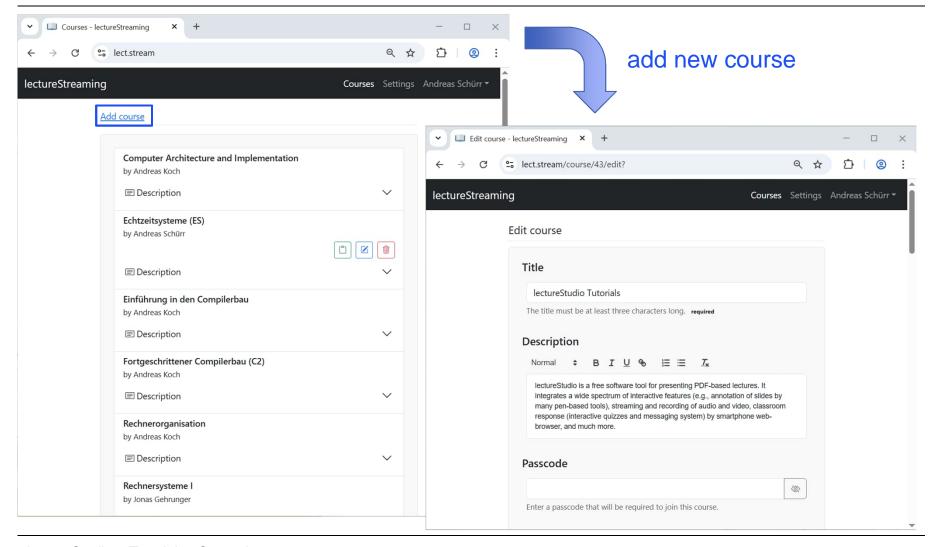
lectureStudio Server – List of Courses





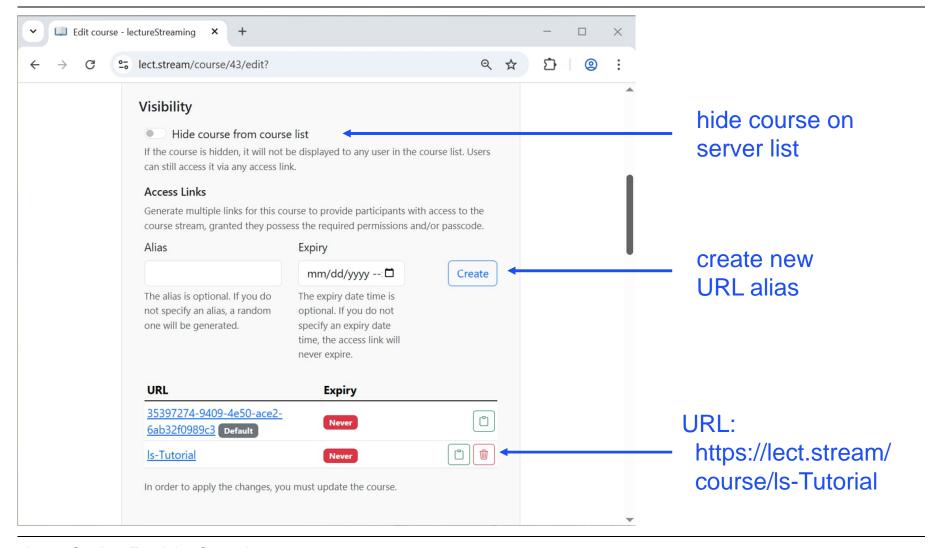
lectureStudio – Create New Course





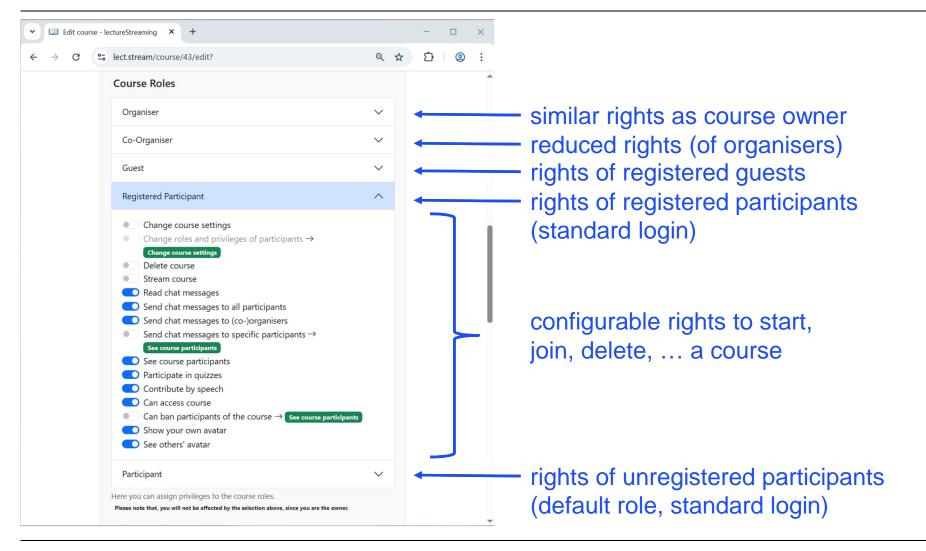
lectureStudio – Course Visibility





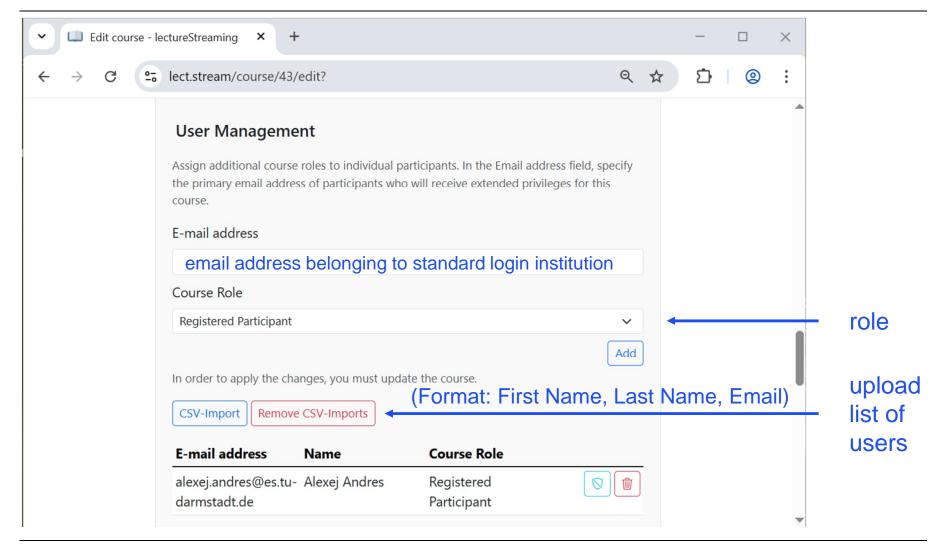
lectureStudio – Course User Roles (Owner, ...)





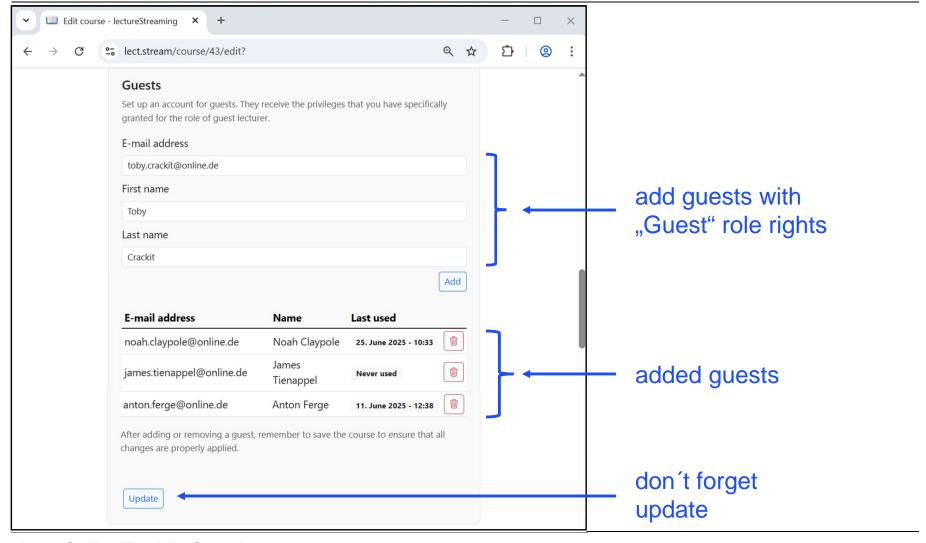
lectureStudio – Registering Course Users





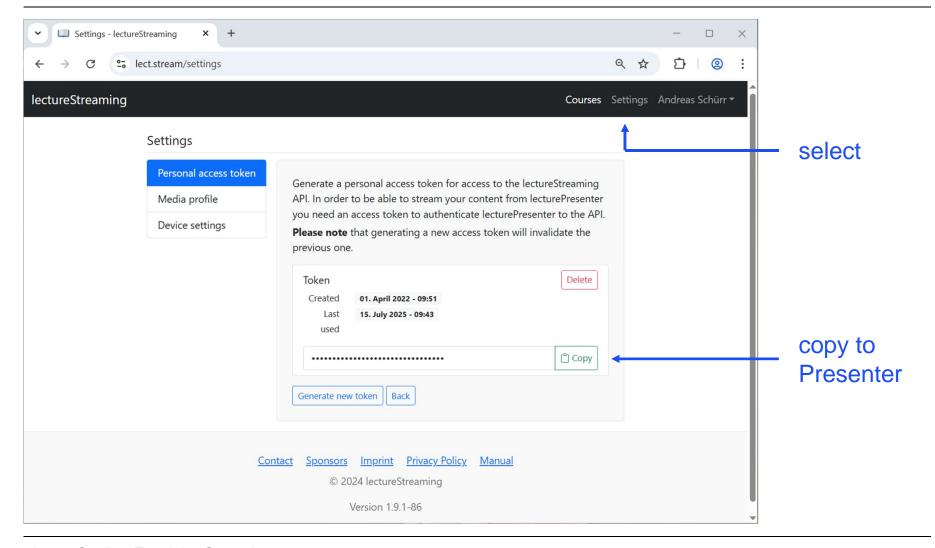
lectureStudio – Registering Course Guests





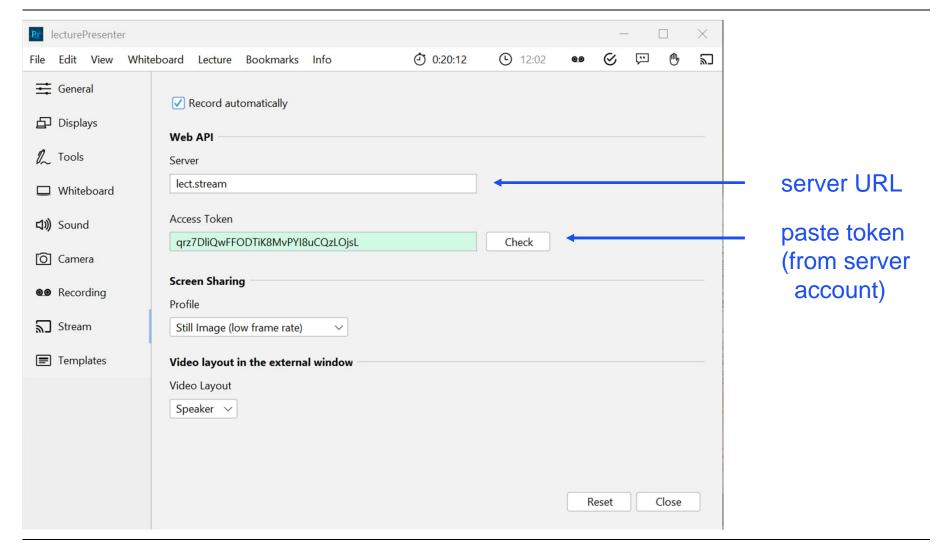
lectureStudio Server – Access Token





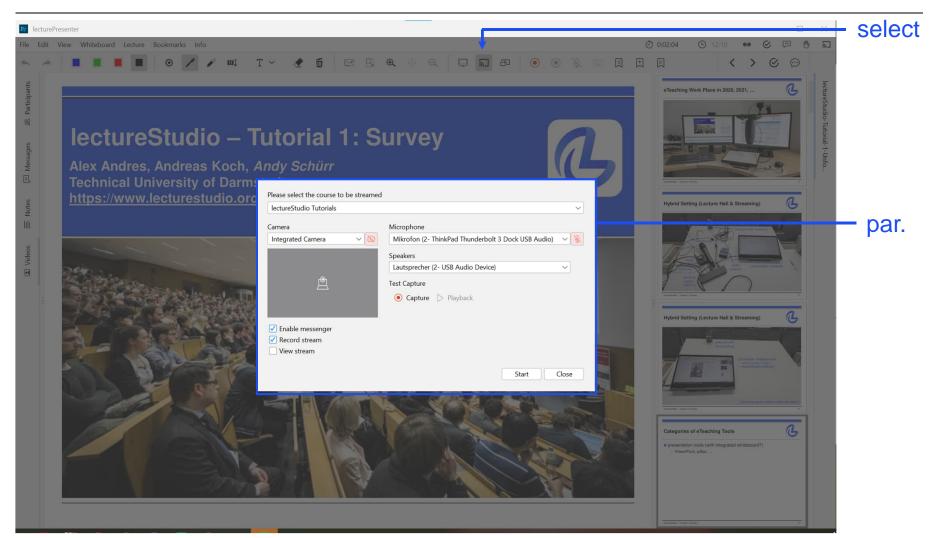
lectureStudio Presenter – Streaming Configuration





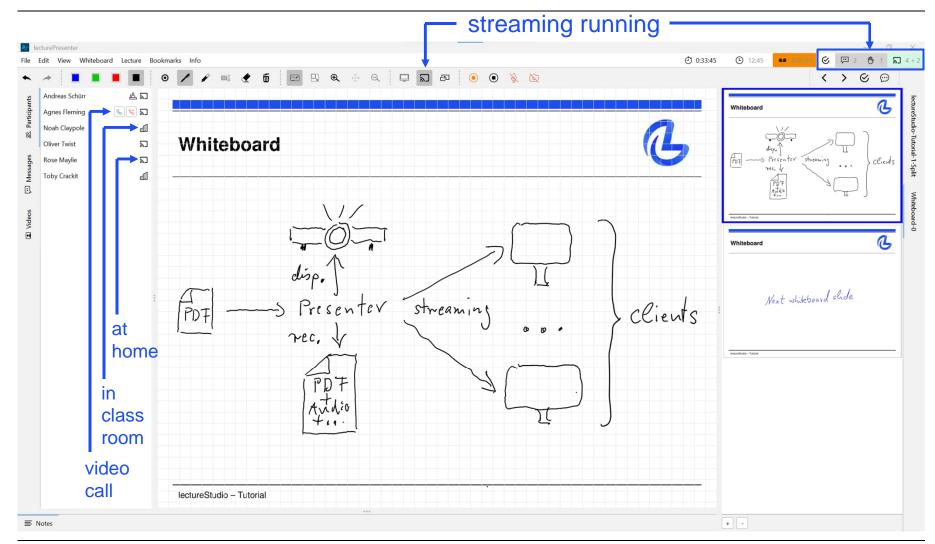
lectureStudio – Activate Streaming





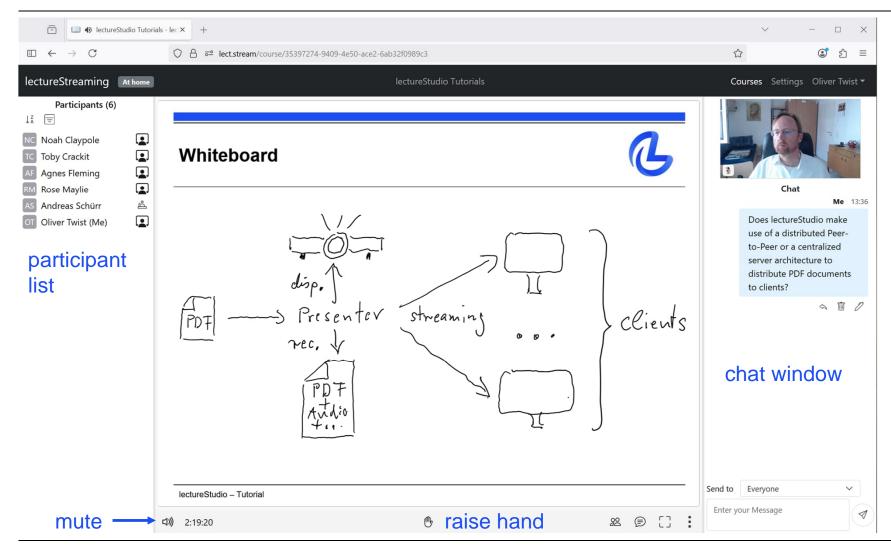
lectureStudio Presenter - Streaming





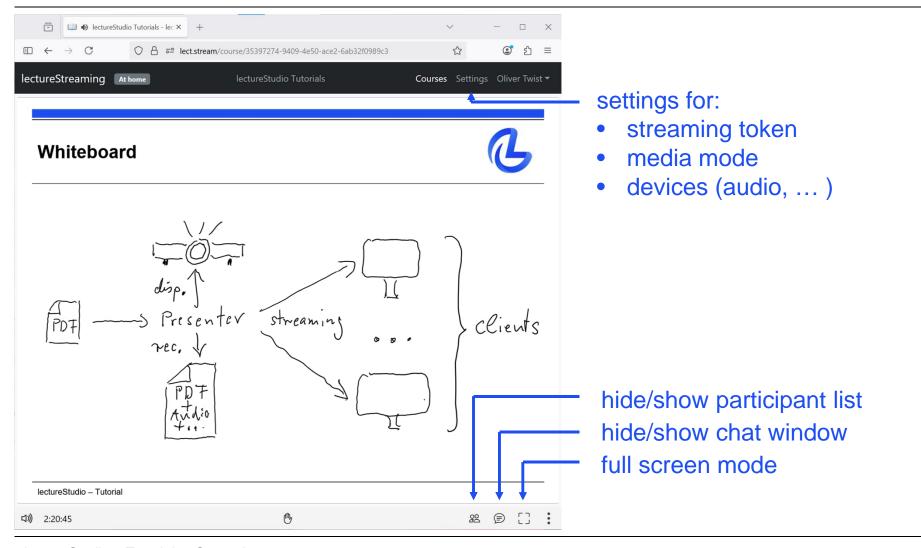
lectureStudio Client – "At Home" Media Mode





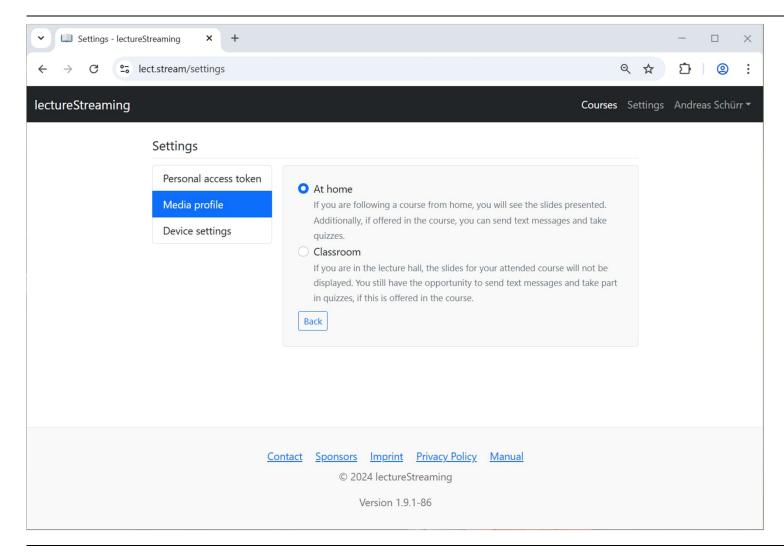
lectureStudio Client – "At Home" Media Mode





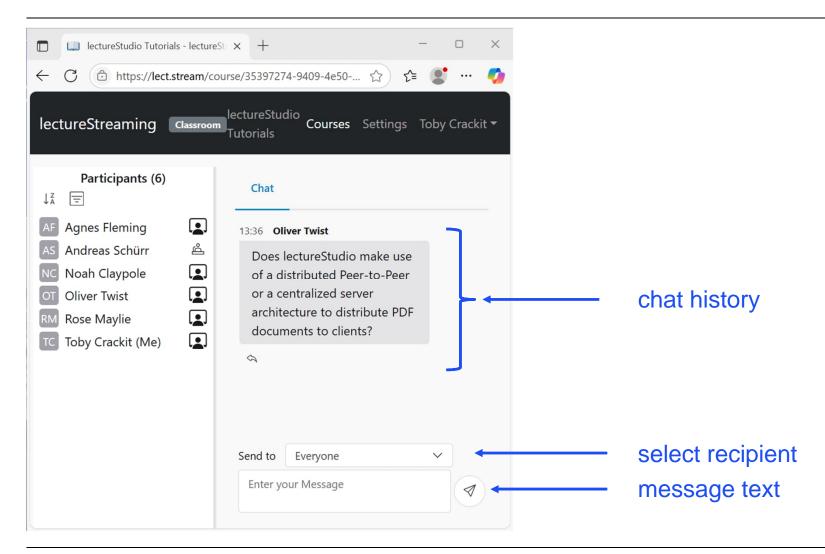
lectureStudio Client – Selecting a Media Profile





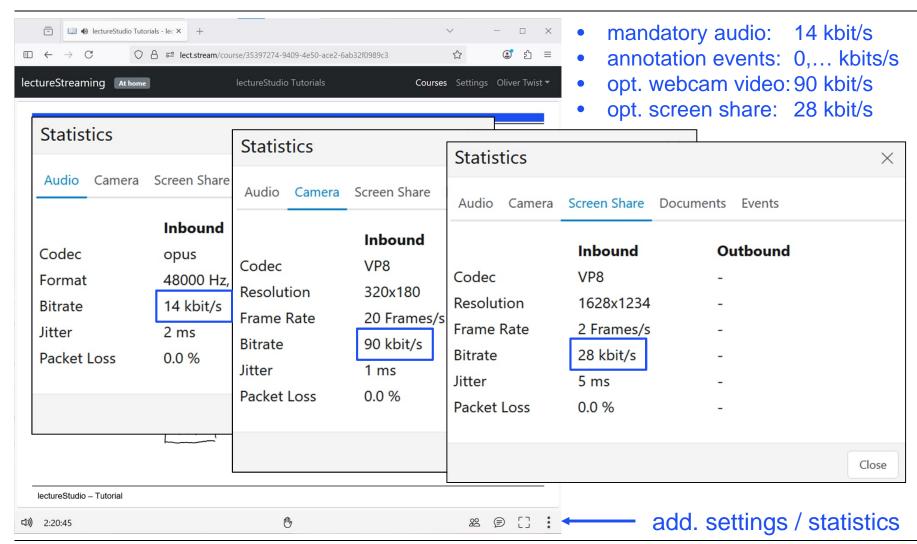
lectureStudio Client – "Class Room" Media Mode





lectureStudio Client – Requ. Streaming Bandwidth





lectureStudio – Tutorial 6: Streaming

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